

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

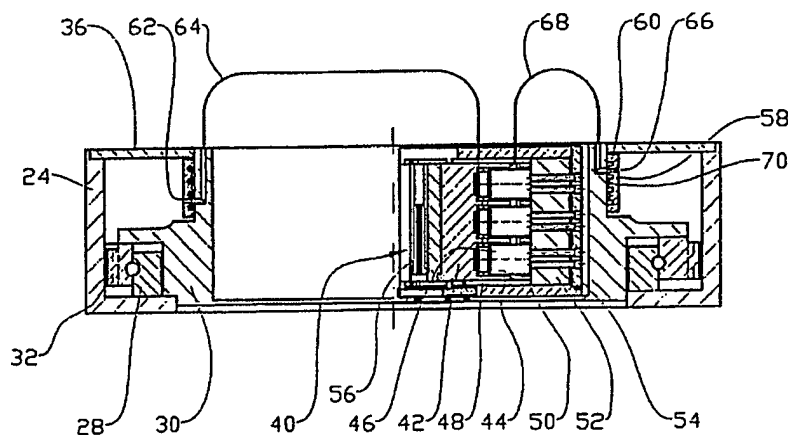
PCT

(10) International Publication Number
WO 2005/052306 A1

- (51) International Patent Classification⁷: **E21B 19/16** (74) Agent: **HÅMSØ PATENTBYRÅ ANS**; P.O. Box 171, N-4302 SANDNES (NO).
- (21) International Application Number: **PCT/NO2004/000355** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: **19 November 2004 (19.11.2004)**
- (25) Filing Language: **Norwegian**
- (26) Publication Language: **English**
- (30) Priority Data: **20035234 25 November 2003 (25.11.2003) NO**
- (71) Applicant (for all designated States except US): **VIKING ENGINEERING AS [NO/NO]; P.O. Box 22, N-4661 KRISTIANSAND (NO).** (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **HALSE, Helge-Ruben [NO/NO]; Veslefrikkveien 2, N-4638 KRISTIANSAND (NO).**

[Continued on next page]

(54) Title: **A POWER TONG**



III-III

(57) Abstract: A power tong for use during installation and dismantling of pipes when drilling in the ground, such as is known from e.g. petroleum production, comprising a drive ring (30) and at least one clamping device (40), where the clamping device (40) is arranged to grip a pipe string (20), the power tong (2) being equipped with a driving mechanism (32, 34) for rotation of the clamping device (40) about the longitudinal axis of the pipe string (20), and where the clamping device (40) communicates with a fluid supply via a swivel ring (60) that encircles the drive ring (30).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments